Qty:

2 Um:

Each

: GLARESHIELD

: D3690 REVB

: 08/08/2008

: D36901

: N/A

; B

Friday, 18/07/2008 1:19:59 PM

: 13288

Julie Lecocq

Process Sheet

Drawing Name

Part Number

Material

Due Date

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

S.O. No. :

Type

Job Number : 40664

Estimate Number P.O. Number

: 18/07/2008 This Issue

: NC Prsht Rev.

: // First Issue : 38869

Previous Run

Written By

Comment

Checked & Approved By

New Issue 08/04/28 DL verified by:DD

08-07-14 revB as per dwg DD verified by:ec Est Rev:B

: THERMOFORMING

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

1.0 MLEXS093F600602

Comment: Qty.:

26.3110 sf(s)/Unit Total:

GE PLASTICS LEXAN SHEET

batch: 10675

2.0

HAND FINISHING THERMOFORMING

THERMOFORMING MACHINE

Description:

GE PLASTICS LEXAN SHEET

52.6220 sf(s) ~



Comment: HAND FINISHING THERMOFORMING

1) Cut Blanks to fit frame size 69.5" X 35.5"

Comment: THERMOFORMING MACHINE.

Thermoform as per Dwg. D3690-1and Folio FTA 019

Dwg. Rev. _

Folio Rev.

0801,22

08.07.22

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Visually inspect for proper formation of each part

of 09.07.22.

Dart Aerospace Ltd

W/O:		WORK ORDER CH	HANGES
DATE	STEP	PROCEDURE CHANGE	By Date Qty Approval Chief Eng / Prod Mgr QC Inspector
·····		·	
Part No	:	PAR #: Fault Category:	NCR: Yes No DQA: Date:

QA: N/C Closed: ____ Date: ___

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	A	A		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector		
							:			
			·							
				•						
							• •			
·										

NOTE: Date & initial all entries

Date 4 Friday, 18/07/2008 1:19:59 PM User: ♥ Julie Lecocq **Process Sheet** Drawing Name: GLARESHIELD Customer: CU-DAR001 Dart Helicopters Services Job Number: 40664 Part Number: D36901 Job Number: Seq. #: **Machine Or Operation:** Description: SECOND CHECK 5.0 QC8 Comment: SECOND CHECK HAND FINISHING THERMOFORMING HAND FINISH TH 6.0 Comment: HAND FINISHING THERMOFORMING D79043 1) Trim to Finished Dimensions as per dwg D3690 7.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE Check dimensions to ensure conformity to drawing tolerances. INSPECT WORK TO CURRENT STEP-QC5 8.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: (9 FINAL INSPECTION/W/O RELEASE QC21 10.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву		Date	ate Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
							·		
				:					

Part No: D3690-1 PAR #: NR Fault Category: Prod Hermsform NCR (Yes) No DQA: D Date: 08/09/10

QA: N/C Closed: D Date: 08/09/11

NCB-110// I

WORK ORDER NON-CONFORMANCE (NCR)

NCR: 4(100-			Corrective Action Code				1
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
_{68.01.19}		Small Lear in I unit caused by.		Repair took to	080129			
		parting. P.C. Garner was	OSSIUL Z	porteasier.	pr pe	phote 11	bour	108.08.11
08-08A	オー	PArt had a larger cut out in the 2.2 section. R.C. Tool got simely on the employee: cut to a cleep into		- Acceptable to est wich Le slot to 25 per ptacked E-mail	Sh			
		employee: cut to a cleep into	Jasun	detar.	2808H	104.08.26	tosicor	108.08.20
							,	

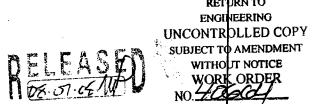
NOTE: Date & initial all entries

-MS20470AD3-4 RIVET 11 PLS D3697-041 TUBE ASSEMBLY -D3698-1 SUPPORT ANGLE -MS20470AD3 4 RIVET -MS20470AD3-4 RIVET (1) AN960JD3 WASHER (1) 2 PLS PER SIDE -D3690-1 GLARESHIELD -MS20426AD3-4 RIVET (1) AN960JD3 WASHER (1) 1 PLS PER SIDE

PART LIST

QTY -041	PART NUMBER	DESCRIPTION
Х	D3690-041	GLARESHIELD ASSEMBLY
. 1.	D3690-1	GLARESHIELD
1	D3697-041	TUBE ASSEMBLY
1	D3698-1	SUPPORT ANGLE
6	AN960JD3	WASHER (OR NAS1149DN332J)
2	MS20426AD3-4	RIVET
35	MS20470AD3-4	RIVET

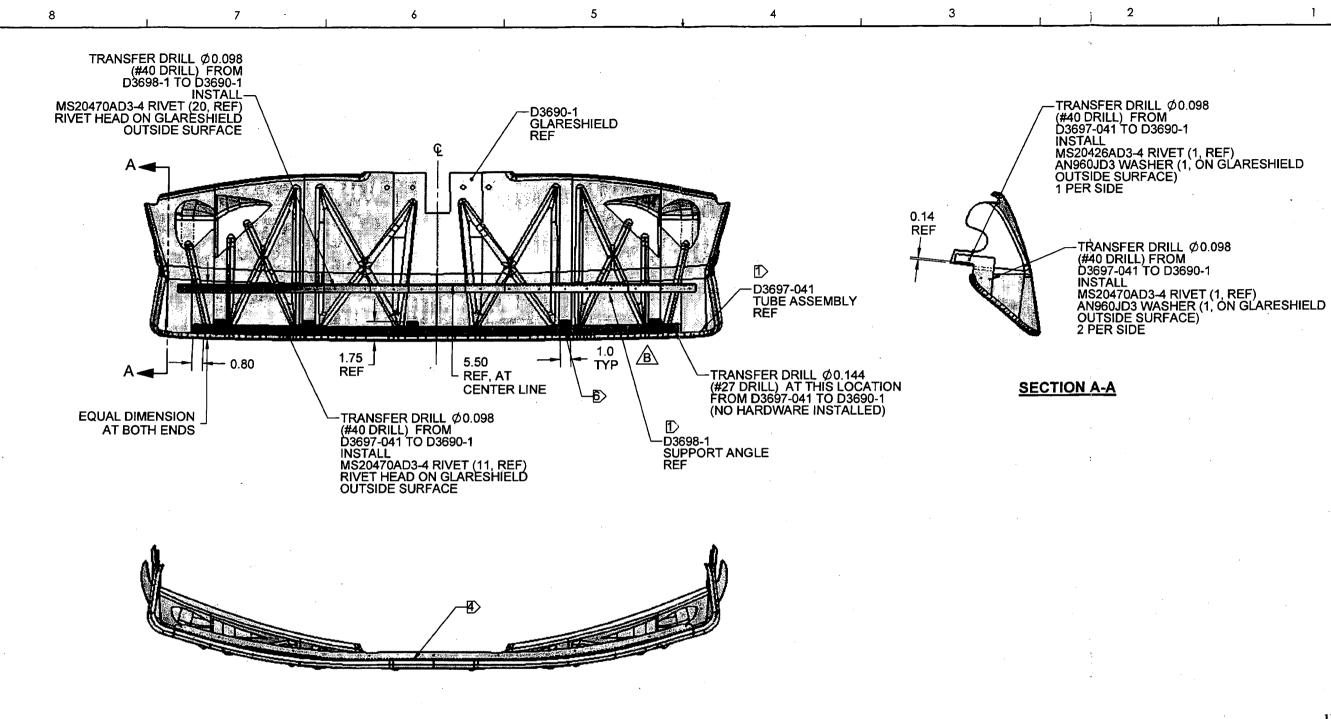
D3690-041 GLARESHIELD ASSEMBLY



WITHOUT NOTICE
WORK ORDER
NO. 1000

SHOP COPY RETURN TO

В	ADD FII ADD MI	NISH COAT & 1. N THICKNESS.	RF	08.06.24		
Α	NEW IS	SUE		RF	08.05.26	
REV.			DESCRIPTION	BY	DATE	
DESIGN	V	RF	DART AEROSPACE LTD			
DRAW	1	RF,	HAWKESBURY, ONTAR		E .	
CHECKED		4	DRAWING NO.		REV. B	
MFG. A	PPR.	是个	D3690	:	SHEET 1 OF 3	
APPRO	VED	111	TITLE		SCALE	
DE APPR.			GLARESHIELD ASSEMBLY NTS			
DATE 08.06.24			COPYRIGHT @ 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND COMPLETITUDE AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



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WITHOUT NOTICE

NOTES:
1) CENTER D3697-041 AND D3698-1 ON TO D3690-1
2) FINISH: PAINT D3690-041 ASSY FLAT BLACK USING BASF GLASURIT 22 LINE CODE SFA39.50 PER DART QSI 005 4.2
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) IDENTIFICATION: ETCH WITH DART P/N D3690-041 & B/N ON INSIDE OF PART

5) WEIGHT: 2.98 lbs

6) MASK HATCHED AREAS (6 PLS) ON INSIDE OF THE PART PRIOR TO PAINTING

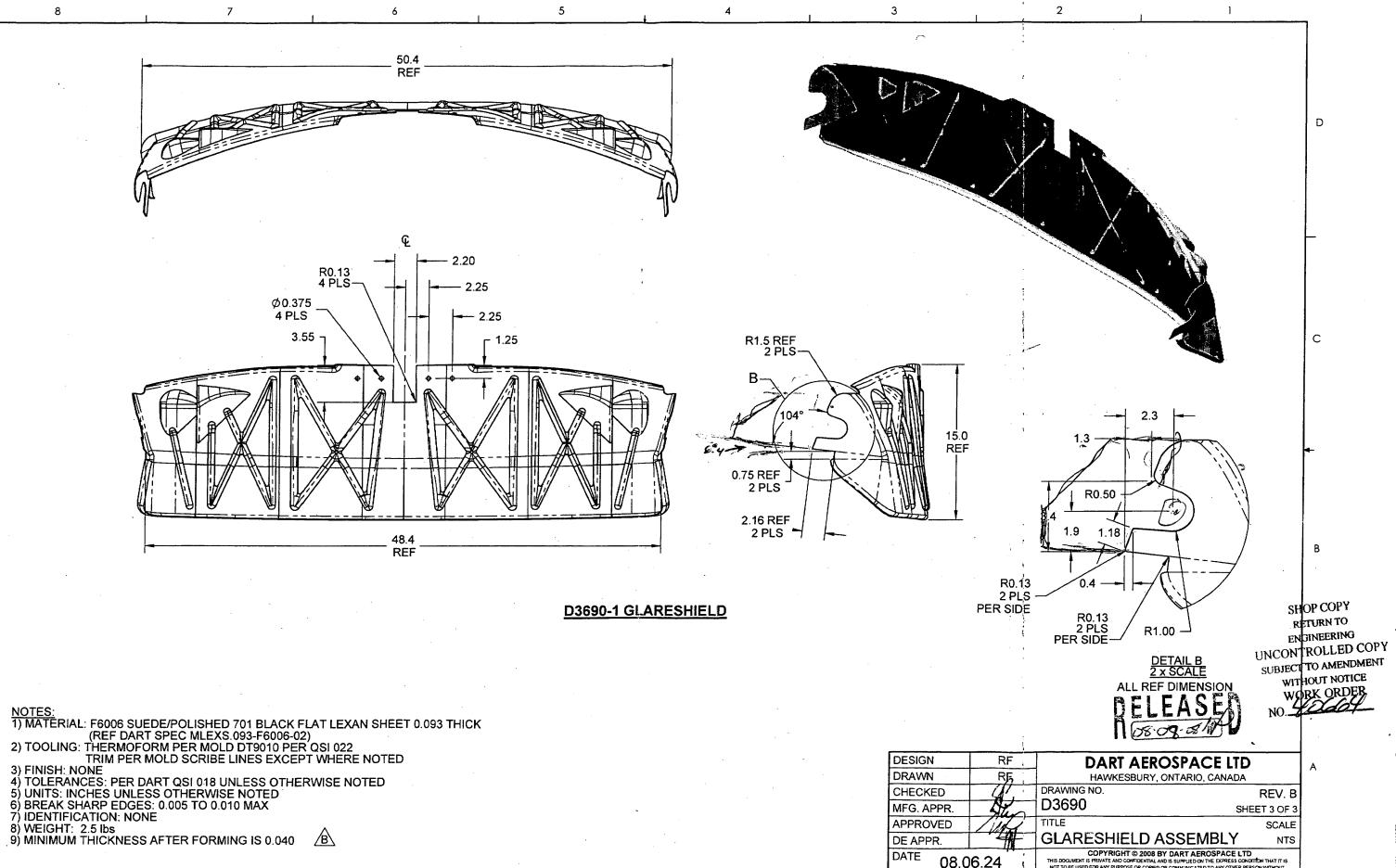
DESIGN	RF	DART AEROSPACE LTD		
DRAWN	RE,	HAWKESBURY, ONTARIO, CANADA		
CHECKED	a		REV. B	
MFG. APPR.	是介	D3690 SHEE	[2 OF 3	
APPROVED	111	TITLE	SCALE	
DE APPR.		GLARESHIELD ASSEMBLY	NTS	
DATE 08.0	06.24	COPYRIGHT @ 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRINATE AND COMPIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DAYS ARROSPACE LTD.		

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D3690-041 GLARESHIELD ASSEMBLY



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DART AEROSPACE LTD	WORK ORDER:	40664
Description:	Part Number:	D 3690-
		Page 1 of 1
nspection Dwg: 03490 Rev: B		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	DECTION CHECKI IST	8-4

1. J. .

FIRST ARTICLE INSPECTION CHECKLIST

First Article Prototype

(Step 4) Thermoforming Visual Inspection Sign-off

Description	Initials
Acceptable shape definition	196
Free of visual flaws (bumps, cracks, voids, etc.	e de la companya della companya della companya de la companya della companya dell
	, '

(Step 6) Trimming FAI Checklist

Inspect dimensions highlighted on inspection sheet drawing 23 90 Rev. Rev. Rev.

Drawing	Tolerance	Actual	Accept	Reject	Method of	Comments
Dimension		Dimension			Inspection	1 100
						18.
2.20" Back cutout width	0.030	272.5			vern. 1	Par pHacked em
3.55" Back cutout depth	8.030	355			levh.	
U:n 0.040"	er. Hin.	0.055			M.c.	
			<u> </u>			
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Measured by: Date: Audited by: Prototype Approval: Date: Dat

Rev	Date	Change	Revised by	Approv ed
		New Issue		1831

DART AEROSPACE LTD Description:	WORK ORDER:	40664 #1
Description:	Part Number:	D 36 80-1
Inspection Dwg: 236 90 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

First Article Prototype

(Step 4) Thermoforming Visual Inspection Sign-off

Description	Initials
Acceptable shape definition	86
Free of visual flaws (bumps, cracks, voids, etc.	Oh
	-

(Step 6) Trimming FAI Checklist

Inspect dimensions highlighted on inspection sheet drawing 25690 Rev. and record below

Drawing	Tolerance	Actual	Accept	Reject	Method of	Comments
Dimension		Dimension			Inspection	
2.20" Back cutout width	A A 3 2	2.2	V			144
3.55" Back cutout depth	0.63 0	3.53				
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						1
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						la.

Measured by:	Audited by:	Prototype Approval:	·
Date: 68 07 39	Date: 118-06-26	Date:	
			•

1

Rev	Date	Change	Revised by	Appro ved
		New Issue		

Mike Petsche

To:

David Shepherd

Subject:

RE: Emailing: IMG_1026.jpg

----Original Message----

From: David Shepherd [mailto:dshepherd@dartaero.com]

Sent: Wednesday, July 23, 2008 9:58 AM

To: 'Chris Provencal'

Cc: 'Mike Petsche'; 'Peter Hum'
Subject: RE: Emailing: IMG_1026.jpg

I am OK with the cutout being slightly wider as long as we don't run into an edge distance problem with the 4 holes that have to be drilled in that vicinity to attach the glareshield to the underlying support structure. If the edge distance looks good, go ahead and accept the modified (symmetric) glareshield.

David

----Original Message-----

From: Chris Provencal [mailto:cprovencal@dartaero.com]

Sent: Tuesday, July 22, 2008 1:29 PM

To: 'David Shepherd'

Cc: Mike Petsche; Peter Hum
Subject: Emailing: IMG_1026.jpg

David,

Qty(1) D3690-1 Glareshield. The cutout for the center window post, there is a 0.20" deep cut on one side of the cut-out (see pic) from the cutting tool going past the cutline. The cutout width is currently to dwg (2.20" wide).

We can widen the cutout by about $0.\tilde{2}0$ " on either side (make it symmetrical), so the final width would likely be around 2.50"-2.60" wide.

Alternately, Daryl suggested we could fill the cutout with putty because we're painting it after.

I have no QSI 042 delegation for thermoformed parts (fyi: I know Peter is always looking for more delegation). What do you think?

-Chris

No virus found in this incoming message.

Checked by AVG.

Version: 7.5.524 / Virus Database: 270.5.4/1566 - Release Date: 7/22/2008 6:00 AM

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.524 / Virus Database: 270.5.5/1569 - Release Date: 7/23/2008

1:31 PM

No virus found in this outgoing message. Checked by AVG.